

REMARKS

Favorable reconsideration of this application, in light of the following discussion and in view of the present amendment, is respectfully requested.

Claim 1-2 and 10 have been amended. New claim 12-13 have been added. Claims 3-9 are allowed. Claims 1-13 are pending and under consideration.

I. Rejections under 35 U.S.C. § 102

In the Office Action, at pages 2-5, claims 1-2 and 10-11 were rejected under 35 USC § 102(b) as being anticipated by Kuriyama et al. (U.S. Patent No. 6,100,859).

Kuriyama et al. does not discuss or suggest:

selecting one display pulse waveform that corresponds to the detection result of the display ratio among plural types of display pulse waveforms in accordance with a predetermined relationship between a display ratio and the plural types of display pulse waveforms;

and

wherein one of said plural types of display pulse waveforms has a step-like waveform in which an amplitude of a leading edge and an amplitude of a trailing edge are different,

as recited in amended claim 1. In other words, the invention of claim 1 provides for selecting a waveform for the display pulse according to the display ratio. More specifically, claim 1 provides that a step-like waveform is selected from plural types of waveforms in which the pulse period has a small amplitude portion and a large amplitude portion as a display pulse, depending on a display ratio. In contrast, Kuriyama et al. does not disclose the selection of the waveform for the display pulse based on the display ratio. The Examiner indicates that Kuriyama et al. discloses adjusting a frequency of a display pulse depending on a display ratio. Although the Examiner takes the position that adjusting a frequency is equivalent to changing a waveform, the change of frequency never includes the change of amplitude.

Since Kuriyama et al. does not discuss or suggest all of the features of claim 1, claim 1 patentably distinguishes over Kuriyama et al. Accordingly, withdrawal of this § 102(b) rejection is respectfully requested.

Kuriyama et al. does not discuss or suggest:

selecting one display pulse waveform that corresponds to the detection result of the display ratio among plural types of display pulse waveforms for each subframe in accordance with a

predetermined relationship between a display ratio and the plural types of display pulse waveforms;

and

wherein one of said plural types of display pulse waveforms has a step-like waveform in which an amplitude of a leading edge and an amplitude of a trailing edge are different,

as recited in amended claim 2, so that claim 2 patentably distinguishes over Kuriyama et al.

Accordingly, withdrawal of this § 102(b) rejection is respectfully requested.

Kuriyama et al. does not discuss or suggest:

determining the number of discharge times for each subframe so that a luminance ratio between subframes becomes a set ratio and power consumption for one frame becomes less than or equal to a set value for each of plural combinations in waveform selection for selecting one of plural types of display pulse waveforms for each subframe, in accordance with a relationship among each of predetermined plural types of the display pulse waveforms, a display ratio, luminance in one discharge and power consumption in one discharge;

and

wherein one of said plural types of display pulse waveforms has a step-like waveform in which an amplitude of a leading edge and an amplitude of a trailing edge are different,

as recited in amended claim 10, so that claim 10 patentably distinguishes over Kuriyama et al.

Accordingly, withdrawal of this § 102(b) rejection is respectfully requested.

Claim 11 depends directly from amended claim 10 and includes all the features of claim 10, plus additional features that are not discussed or suggested by the reference relied upon. Therefore, claim 11 patentably distinguishes over the reference relied upon for at least the reasons noted above. Accordingly, withdrawal of the § 102(b) rejection is respectfully requested.

II. New Claims

New claims 12-13 have been added. None of the cited prior art discusses or suggests:

selecting a type of a display pulse waveform supplied in a display period of said subframe depending on the detected display ratio, wherein said display pulse waveform is selected from a pulse of a rectangular waveform and a pulse of a step-like waveform in which an amplitude of a leading portion and an amplitude of a trailing portion are different,

as recited in new claim 12. Thus, it is submitted that claim 12 is in a condition suitable for allowance.

None of the cited prior art discusses or suggests:

selecting a type of a display pulse waveform supplied in a display period of said subframe depending on the detected display ratio from a plurality of waveforms in which an amplitude of a leading portion and an amplitude of a trailing portion are different,

as recited in new claim 13. Thus, it is submitted that claim 13 is in a condition suitable for allowance.

CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

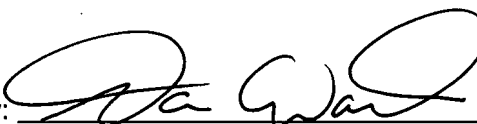
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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